

1646



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/645,702

DATE: 01/21/2004

TIME: 12:30:15

Input Set : N:\Crf3\RULE60\10645702.RAW.txt

Output Set: N:\CRF4\01212004\J645702.raw

1 <110> APPLICANT: Shi, Yanggu
 2 Ruben, Steve M.
 3 <120> TITLE OF INVENTION: Interleukin 17 Receptor-Like Protein
 4 <130> FILE REFERENCE: PF398P2
 5 <140> CURRENT APPLICATION NUMBER: 10/645,702
 6 <141> CURRENT FILING DATE: 2003-08-22
 7 <150> PRIOR APPLICATION NUMBER: US/09/796,844
 8 <151> PRIOR FILING DATE: 2001-03-02
 9 <150> PRIOR APPLICATION NUMBER: 60/187,015
 10 <151> PRIOR FILING DATE: 2000-03-06
 11 <150> PRIOR APPLICATION NUMBER: PCT/US00/05759
 12 <151> PRIOR FILING DATE: 2000-03-06
 13 <150> PRIOR APPLICATION NUMBER: PCT/US99/21048
 14 <151> PRIOR FILING DATE: 1999-09-15
 15 <150> PRIOR APPLICATION NUMBER: 09/268,311
 16 <151> PRIOR FILING DATE: 1999-03-16
 17 <150> PRIOR APPLICATION NUMBER: PCT/US98/19121
 18 <151> PRIOR FILING DATE: 1998-09-16
 19 <150> PRIOR APPLICATION NUMBER: 09/154,219
 20 <151> PRIOR FILING DATE: 1998-09-16
 21 <150> PRIOR APPLICATION NUMBER: 60/059,133
 22 <151> PRIOR FILING DATE: 1997-09-17
 23 <160> NUMBER OF SEQ ID NOS: 35
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 1816
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapiens
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 31 <221> NAME/KEY: CDS
 32 <222> LOCATION: (10)..(1287)
 33 <221> NAME/KEY: mat_peptide
 34 <222> LOCATION: (67)..(1287)
 W--> 35 <221> sig_peptide
 36 <222> LOCATION: (10)..(66)
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 39 Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser
 40 -15 -10
 41 gcc gta ccc cga gag ccg acc gtt caa tgt ggc tct gaa act ggg cca 99
 42 Ala Val Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro
 43 -5 -1 1 5 10
 44 tct cca gag tgg atg cta caa cat gat cta atc ccc gga gac ttg agg 147

ENTERED

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45	Ser Pro Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg			
46	15	20	25	
47	gac ctc cga gta gaa cct gtt aca act agt gtt gca aca ggg gac tat		195	
48	Asp Leu Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr			
49	30	35	40	
50	tca att ttg atg aat gta agc tgg gta ctc cgg gca gat gcc agc atc		243	
51	Ser Ile Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile			
52	45	50	55	
53	cgc ttg ttg aag gcc acc aag att tgt gtg acg ggc aaa agc aac ttc		291	
54	Arg Leu Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe			
55	60	65	70	75
56	cag tcc tac agc tgt gtg agg tgc aat tac aca gag gcc ttc cag act		339	
57	Gln Ser Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr			
58	80	85	90	
59	cag acc aga ccc tct ggt ggt aaa tgg aca ttt tcc tac atc ggc ttc		387	
60	Gln Thr Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe			
61	95	100	105	
62	cct gta gag ctg aac aca gtc tat ttc att ggg gcc cat aat att cct		435	
63	Pro Val Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro			
64	110	115	120	
65	aat gca aat atg aat gaa gat ggc cct tcc atg tct gtg aat ttc acc		483	
66	Asn Ala Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr			
67	125	130	135	
68	tca cca ggc tgc cta gac cac ata atg aaa tat aaa aaa aag tgt gtc		531	
69	Ser Pro Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Cys Val			
70	140	145	150	155
71	aag gcc gga agc ctg tgg gat ccg aac atc act gct tgt aag aag aat		579	
72	Lys Ala Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn			
73	160	165	170	
74	gag gag aca gta gaa gtg aac ttc aca acc act ccc ctg gga aac aga		627	
75	Glu Glu Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg			
76	175	180	185	
77	tac atg gct ctt atc caa cac agc act atc atc ggg ttt tct cag gtg		675	
78	Tyr Met Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val			
79	190	195	200	
80	ttt gag cca cac cag aag aaa caa acg cga gct tca gtg gtg att cca		723	
81	Phe Glu Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro			
82	205	210	215	
83	gtg act ggg gat agt gaa ggt gct acg gtg cag ctg act cca tat ttt		771	
84	Val Thr Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe			
85	220	225	230	235
86	cct act tgt ggc agc gac tgc atc cga cat aaa gga aca gtt gtg ctc		819	
87	Pro Thr Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu			
88	240	245	250	
89	tgc cca caa aca ggc gtc cct ttc cct ctg gat aac aac aaa agc aag		867	
90	Cys Pro Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys			
91	255	260	265	
92	ccg gga ggc tgg ctg cct ctc ctc ctg ctg tct ctg ctg gtg gcc aca		915	
93	Pro Gly Gly Trp Leu Pro Leu Leu Ser Leu Leu Val Ala Thr			

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Input Set : N:\CrF3\RULE60\10645702.RAW.txt
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94	270	275	280	
95	tgg gtg ctg gtg gca ggg atc tat cta atg tgg agg cac gaa agg atc			963
96	Trp Val Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile			
97	285	290	295	
98	aag aag act tcc ttt tct acc acc aca cta ctg ccc ccc att aag gtt			1011
99	Lys Lys Thr Ser Phe Ser Thr Thr Leu Leu Pro Pro Ile Lys Val			
100	300	305	310	315
101	ctt gtg gtt tac cca tct gaa ata tgt ttc cat cac aca att tgt tac			1059
102	Leu Val Val Tyr Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr			
103	320	325	330	
104	ttc act gaa ttt ctt caa aac cat tgc aga agt gag gtc atc ctt gaa			1107
105	Phe Thr Glu Phe Leu Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu			
106	335	340	345	
107	aag tgg cag aaa aag aaa ata gca gag atg ggt cca gtg cag tgg ctt			1155
108	Lys Trp Gln Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu			
109	350	355	360	
110	gcc act caa aag aag gca gca gac aaa gtc gtc ttc ctt ctt tcc aat			1203
111	Ala Thr Gln Lys Lys Ala Ala Asp Lys Val Val Phe Leu Leu Ser Asn			
112	365	370	375	
113	gac gtc aac agt gtg tgc gat ggt acc tgt ggc aag agc gag ggc agt			1251
114	Asp Val Asn Ser Val Cys Asp Gly Thr Cys Gly Lys Ser Glu Gly Ser			
115	380	385	390	395
116	ccc agt gag aac tct caa gac tct tcc cct tgc ctt taacctttc			1297
117	Pro Ser Glu Asn Ser Gln Asp Ser Ser Pro Cys Leu			
118	400	405		
119	tgcagtgtatc taagaagcca gattcatctg cacaatacg tgggtgtcta ctttagagag			1357
120	attgatacaa aagacgatta caatgtctc agtgtctgc ccaagtatcca cctcatgaag			1417
121	gatgccactg ctttctgtgc agaacttctc catgtcaagt agcaggtgtc agcaggaaaa			1477
122	agatcacaag cctgccacga tggctgtgc tcctttagc ccacccatga gaagcaagwg			1537
123	accttaaagg cttcctatcc caccattac agggaaaaaa cgtgtatgta tcctgaagct			1597
124	tactatgcag cctacaaca gccttagtaa ttaaaacatt ttataccat aaaattttca			1657
125	aatattgcta actaatgttag cattaactaa cgattggaaa ctacatttac aacttcaaag			1717
126	ctgtttata catagaaatc aattacagtt ttaattgaaa actataacca ttttgataat			1777
127	gcaacaataa agcatttca gccaaaaaaa aaaaaaaaaa			1816
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130	<211> LENGTH: 426			
131	<212> TYPE: PRT			
132	<213> ORGANISM: Homo sapiens			
133	<400> SEQUENCE: 2			
134	Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val			
135	-15	-10	-5	
136	Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro			
137	-1 1 5 10			
138	Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu			
139	15 20 25			
140	Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile			
141	30 35 40 45			
142	Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu			
143	50 55 60			

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Input Set : N:\Crf3\RULE60\10645702.RAW.txt
Output Set: N:\CRF4\01212004\J645702.raw

144 Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
 145 65 70 75
 146 Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
 147 80 85 90
 148 Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
 149 95 100 105
 150 Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
 151 110 115 120 125
 152 Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
 153 130 135 140
 154 Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala
 155 145 150 155
 156 Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
 157 160 165 170
 158 Thr Val Glu Val Asn Phe Thr Thr Pro Leu Gly Asn Arg Tyr Met
 159 175 180 185
 160 Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
 161 190 195 200 205
 162 Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
 163 210 215 220
 164 Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr
 165 225 230 235
 166 Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro
 167 240 245 250
 168 Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly
 169 255 260 265
 170 Gly Trp Leu Pro Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val
 171 270 275 280 285
 172 Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys
 173 290 295 300
 174 Thr Ser Phe Ser Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val
 175 305 310 315
 176 Val Tyr Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr
 177 320 325 330
 178 Glu Phe Leu Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu Lys Trp
 179 335 340 345
 180 Gln Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr
 181 350 355 360 365
 182 Gln Lys Lys Ala Ala Asp Lys Val Val Phe Leu Leu Ser Asn Asp Val
 183 370 375 380
 184 Asn Ser Val Cys Asp Gly Thr Cys Gly Lys Ser Glu Gly Ser Pro Ser
 185 385 390 395
 186 Glu Asn Ser Gln Asp Ser Ser Pro Cys Leu
 187 400 405
 189 <210> SEQ ID NO: 3
 190 <211> LENGTH: 426
 191 <212> TYPE: PRT
 192 <213> ORGANISM: Homo sapiens
 193 <400> SEQUENCE: 3

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Input Set : N:\Crf3\RULE60\10645702.RAW.txt
Output Set: N:\CRF4\01212004\J645702.raw

194 Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
 195 1 5 10 15
 196 Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
 197 20 25 30
 198 Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
 199 35 40 45
 200 Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
 201 50 55 60
 202 Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
 203 65 70 75 80
 204 Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
 205 85 90 95
 206 Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
 207 100 105 110
 208 Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
 209 115 120 125
 210 Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
 211 130 135 140
 212 Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
 213 145 150 155 160
 214 Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Cys Val Lys Ala
 215 165 170 175
 216 Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu
 217 180 185 190
 218 Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met
 219 195 200 205
 220 Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu
 221 210 215 220
 222 Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr
 223 225 230 235 240
 224 Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr
 225 245 250 255
 226 Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro
 227 260 265 270
 228 Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly
 229 275 280 285
 230 Gly Trp Leu Pro Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val
 231 290 295 300
 232 Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys
 233 305 310 315 320
 234 Thr Ser Phe Ser Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val
 235 325 330 335
 236 Val Tyr Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr
 237 340 345 350
 238 Glu Phe Leu Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu Lys Trp
 239 355 360 365
 240 Gln Lys Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr
 241 370 375 380
 242 Gln Lys Lys Ala Ala Asp Lys Val Val Phe Leu Ser Asn Asp Val

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/21/2004
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 17,65,148,160,362,373,388,406
Seq#:5; N Pos. 10,39,42,44,45,53,106,120,121,128,163,173,210,223,233,238
Seq#:5; N Pos. 241,247,251,261,267,269,274,277,279,280,285,289,293,295,302
Seq#:5; N Pos. 305,312
Seq#:17; N Pos. 29,101

VERIFICATION SUMMARY
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Input Set : N:\Crf3\RULE60\10645702.RAW.txt
Output Set: N:\CRF4\01212004\J645702.raw

L:35 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:37 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:266 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:269 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:272 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:275 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:278 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:298 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:301 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:304 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:310 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:313 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:316 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:319 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:322 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
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L:340 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:343 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:346 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:349 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:352 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:355 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:358 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
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L:364 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:367 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:370 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:373 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:376 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:379 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:382 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:483 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:486 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
M:341 Repeated in SeqNo=17
L:758 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:760 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34